

**From:** (b)(6)  
**To:** (b)(6)  
**Cc:**  
**Subject:** RE: Spend plans in EPIC and executing PRs  
**Date:** Wednesday, December 19, 2018 10:25:00 AM  
**Attachments:** [FY2019\\_OSE\\_Spend\\_Plan\\_TCD.xlsx](#)

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All,

**A reminder – Due Today**

(b)(6) has kindly consolidated our spend plans based on what is currently in EPIC into one spreadsheet with tabs. The workbook consists of worksheet(s)/tab(s) that correspond to your TCD Budget Projects. Can each of you please look at your relevant tabs to update/make corrections, and get this back to (b)(6)? All of the fields are required per the Finance and Budget Division's guidance. Everyone's response will be consolidated into one document and a clean version will be provided to OSE leadership for review/analysis prior to submission in EPIC. OSE Front Office will help you get your data into EPIC using your response to this data call. If you've already uploaded to EPIC, please also let him know that.

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(b)(6)

Office: (b)(6)  
Mobile: (b)(6)

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**From:** (b)(6)  
**Sent:** Monday, December 17, 2018 1:03 PM  
**To:** (b)(6); (b)(6)  
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**Subject:** FW: Spend plans in EPIC and executing PRs  
**Importance:** High

All,

We now officially have the go ahead and direction to update our execution plans in EPIC. Also attached is the final budget from (b)(6) as I mentioned this morning.

The execution plans need to be updated in EPIC **by COB Dec 19 (this Wednesday)**. Please let me know how each of you would like to proceed with your updates – if your team will be updating or if you would like to have (b)(6) (or OSE budget support) update for you.

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Hi All,

The FY 2019 budget has been finalized and EPIC has been updated with the new numbers and funding pillar/division alignments. Please go into EPIC and update your Execution Plans (FY 2017, FY 2018 and FY 2019) accordingly by COB, December 19, 2019. Please be sure to filter by your new Organizational Code. If you see anything which does not appear correct or if you have questions, please reach out to your Financial Officer.

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Budget Director

Budget and Performance Branch Chief  
Finance and Budget Division  
Science and Technology Directorate  
Department of Homeland Security  
Office (b)(6)  
Work cell: (b)(6)  
(b)(6)

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Test:



Fiscal Year 2019  
 First Responders Group  
 Draft Budget  
 As of 16 August 2018

Division	Activity Title	FY 2019 Exexutable (EPIC )
TCD	ID Management	(b)(4)
TCD	Data Analytics	(b)(4)
TCD	Modeling and Simulation	(b)(4)
TCD	Situational Awareness and Decision Support	(b)(4)
TCD	BESSE	(b)(4)
TCD	Communications and Networking	(b)(4)
TCD	Biometrics Tech Engine	(b)(4)
TCD	Tech Center SETA	(b)(4)
TCD	Tech Center Travel	(b)(4)
TCD	Bio-Defense Knowledge Center	(b)(4)
TCD	Bio-Threat Characterization	(b)(4)
TCD	Homemade Explosives Characterization	(b)(4)
TCD	Actionable Indicators/Counter Measures	(b)(4)
TCD	GPS Vulnerabilty	(b)(4)
TCD	Social Media Research	(b)(4)
TCD	Digital Forensics	(b)(4)
TCD	Predictive Analytics	(b)(4)













Project Title	Executable Amount	PR Title	PR Description	PR Amount	Total Contract Value	PR Estimated Date	Contract Vehicle Type	Competitive	Contract status	Award Number	Vendor Name	Vendor City	Vendor State	Program Manager Name	Comments	Level 1 Priority Ranking	
Communications and Network	b(4)	Resilient System for DHS SAT requires technical support		26,574,373		10/02/18	IAA	No	New		NAVSEA			b(6)			
Communications and Network																	
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Biometrics Tech Engine	(b)(4)	Biometric Research and Technology Evaluations	Expertise in biometrics standards, and technology evaluation	(b)(4)		02/01/19	MA Contract	No	New Award		National Institute of Standards and Technology (NIST)			(b)(6)				
Biometrics Tech Engine		Development and Evaluation of Enhanced Biometric	ROTAR, search current and novel DHS use cases			02/01/19		No	Existing		YOUNG & RUBICAM SAC							
Biometrics Tech Engine																		
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Bio-Threat Characterization	(b)(4)	Biological Experiment	This funding will fund an effort to further characterize	16,143		04/02/19	IAA	No	New		DoD - Defense Technical Information Center (DTIC)			(b)(6)		
Bio-Threat Characterization																
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Homemade Explosives Charaz	(b)(4)			50													
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Actionable Indicators	(b)(4)	CAO Courts	address and provide actionable recommendations regarding	(b)(4)		11/15/18	CONTR	Yes	New Award		(Unknown)			(b)(6)					
Actionable Indicators		Law Enforcement/CE Training and curriculum development on crisis			12/15/18	CONTR	Yes	New Award		(Unknown)									
Actionable Indicators		Operational Expertim improve community security and enhance terrorism			06/15/19	CONTR	No	New Award		(Unknown)									
Actionable Indicators		Systematic Reviews, Campbell Collaboration Systematic Review #5			04/15/19	IAA	No	New Award				Department of Interior/Anterior Business Center (DOI/ABC)							
Actionable Indicators		Risk Assessment V&I Validation of risk assessment tools and metrics			03/15/19	IAA	No	New Award				DOE - Sandia National Laboratories (SNL)							
Actionable Indicators		Crisis Communication Communication practices of LE and NGD for targeted			12/15/18	Grants	Yes	New Award				University of California Los Angeles							
Actionable Indicators		IRG Strategic Plans: IRG requires support for strategic planning and			06/15/19	(Unknown)	No	Pending				(Unknown)							
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Contract  
IAA  
FT  
Grant  
Other

New Award  
Existing

Oct-18  
Nov-18  
Dec-18  
Jan-19  
Feb-19  
Mar-19  
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Data Analytics	(b)(4)	Enclave Hardward + S	Purchase orders for myriad hardware and software purc	(b)(4)	11/15/18	PO	Yes	New Award	N/A	[Unknown]			(b)(6)		6
Data Analytics		Cloud Infrastructure	Purchase order for Google and/or AZURE Cloud Infrastructure in support of DA-E testing and operational projects, pilots.		10/31/18	CONTR	Yes	New Award	N/A	[Unknown]					5
Data Analytics		Workshops, including	Technology and Data Analytic Workshops *NOTE* Leverages CSD vehicle		11/15/18	CONTR	No	New Award	N/A	[Unknown]					9
Data Analytics		National Science Fou	NSF Partner SMEs (Part-time) in support of DA-E efforts.		11/30/18	IAA	No	New Award	N/A	NATIONAL SCIENCE FOUNDATION					7
Data Analytics		P-CARD: Tenable Nes	Tenable Nessus Manager is used to scan the Data Analytics enclave for any vulnerabilities		11/16/18	PCARD	No	New Award	N/A	TENABLE NETWORK SECURITY, INC					8
Data Analytics		American Association	IAA to DOE ORISE for AAAs fellow tenure within the DA-E program.		02/15/19	IAA	No	Existing	HSHQPM15X00174	DOE - Oak Ridge Institute of Science and Education (ORISE)					4
Data Analytics		Information Systems	DA-E funding towards S&T CIO efforts which support DA-E data requirements and DHS network infrastructure needs of the DA-E Enclave		03/15/19	IAA	No	Existing	HSHQPM16X00170	US Army - Research Laboratory / Army Research Office(ARL)					3
Data Analytics		Laboratory Systems	DHS FFRDC HSSEDI Task Order for SME support towards DA-E.		12/15/18	DO	No	Existing	70RSAT18FR0000017	MITRE Corp					1
Data Analytics		Systems Engineering	Option Year on DA-E support vehicle. *NOTE* Says "New Award", but thats just because if it's marked "Existing" the Vendor must be filled in and this award's vendor, Analytic Strategies, LLC, isn't in EPIC yet.		10/31/18	CONTR	No	New Award	70RSAT18FR0000025	[Unknown]					2

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Social Media Research	(b)(4)	Social Media Analytics Methodology	Research and Development Partnership exploring the o	(b)(4)		05/30/19			New Award		TBD			(b)(6)		2
Social Media Research	(b)(4)	Social Media Tools	Purchase Orders to test for potential deployment	(b)(4)		11/30/18			New Award		TBD			(b)(6)		3
Social Media Research	(b)(4)	Cloud Based Speech Analytics for Law Enforcement	SBIR Phase III award in support of DA-E's social media	(b)(4)		12/15/18			New Award		TBD			(b)(6)		4
Social Media Research	(b)(4)	Human Language Analysis	IA w/ FBI and/or Services Contract in support of DA-E	(b)(4)		01/01/19			New Award		Federal Bureau of Investigation DBA FBI			(b)(6)		5
Social Media Research	(b)(4)	Social Media Experiments	DHS FFRDC HSSEDI Task Order funding in support of	(b)(4)		01/31/19			Existing		MITRE Corp			(b)(6)		1



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Predictive Analytics	(b)(4)	Cloud Infrastructure	Purchase orders for cloud bandwidth and storage in support of IAA to DoD CTTSO to leverage ARL CTTSO's accredited DOD secure network servers to provide the required functionality & environment for production testing	(b)(4)		10/31/18	PO	Yes	New Award	N/A	[Unknown]			(b)(6)		3
Predictive Analytics	(b)(4)	New Location Data System	Research and Development Partnership leveraging Industry & International Collaboration in support of Real-time Intelligence	(b)(4)		11/15/18	IAA	No	New Award	N/A	US Army - Research Laboratory / Army Research Office(ARL)			(b)(6)		2
Predictive Analytics	(b)(4)	Real Time Analytics	Research and Development Partnership leveraging Industry & International Collaboration in support of Machine Learning/Deep Learning	(b)(4)		01/30/19	IAA	No	New Award	N/A	NATIONAL SCIENCE FOUNDATION			(b)(6)		4
Predictive Analytics	(b)(4)	Machine Learning/Deep Learning	Research and Development Partnership exploring the Adaptation of Location Data for Urban Environments	(b)(4)		12/31/18	IAA	No	New Award	N/A	NATIONAL SCIENCE FOUNDATION			(b)(6)		5
Predictive Analytics	(b)(4)	Real-time Intelligence	Adaptation of Location Data for Urban Environments	(b)(4)		04/30/19	CONTR	Yes	New Award	N/A	TBD			(b)(6)		6
Predictive Analytics	(b)(4)	DA-E FFRDC Task Order	PO/FFRDC/Industry Collaboration in support of the Laboratory Systems Exercise	(b)(4)		02/28/19	DO	No	Existing	70RSAT18FR0000017	MITRE Corp			(b)(6)		1
Predictive Analytics	(b)(4)	Location Data Analysis	DHS FFRDC HSSEDI Task Order for SME support towards Key Word Search Development	(b)(4)		12/15/18	DO	No	Existing	70RSAT18FR0000017	MITRE Corp			(b)(6)		7
Predictive Analytics	(b)(4)	Laboratory Systems Exercise	Exercise Optional Task 1 that will work on key word search	(b)(4)		12/14/18	DO	No	Existing	70RSAT18FR0000017	MITRE Corp			(b)(6)		8
Predictive Analytics	(b)(4)	Key Word Search Development	Exercise Optional Task 1 that will work on key word search	(b)(4)		12/14/18	DO	No	Existing	70RSAT18C00000054	MOD9 TECHNOLOGIES			(b)(6)		9



Contract  
IAA  
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Existing

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**Attachments:** [DATC Spend Plan TCD.xlsx](#)

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Good afternoon (b)(6)

I hope your day is going well! I wanted to let you know that the DATC execution plans for the following lines have been updated in EPIC. I've attached the excel document to only reflect the priority ranking.

Data Analytics  
Predictive Analytics  
Social Media

Please let us know if you need any additional edits.

V/r,

(b)(6)

Homeland Security Advanced Research Project Agency  
Science and Technology Directorate  
Department of Homeland Security

(b)(6) Office  
(b)(6) Cell

(b)(6)

**All foreign national meetings require approval 20 days in advance for unclassified visits and 30 days in advance of classified visits. Please coordinate with me in advance.**

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TCD	Digital Forensics	(b)(4)
TCD	Predictive Analytics	(b)(4)







Project Title	Executable Amount	PR title	PR Description	PR Amount	PR Estimated Date	Contract Vehicle Type	Competitive	Contract status	Award Number	Vendor Name	Vendor City	Vendor State	Program Manager Name	Comments	Level 1 Priority Ranking
Data Analytics	(b)(4)	Enclave Hardware + S	Purchase orders for myriad hardware and software purd	(b)(4)	11/15/18	PO	Yes	New Award	N/A	[Unknown]			(b)(6)		6
Data Analytics		Cloud Infrastructure	Purchase order for Google and/or AZURE Cloud Infrastructure in support of DA-E testing and operational projects, pilots.		10/31/18	CONTR	Yes	New Award	N/A	[Unknown]					5
Data Analytics		Workshops, including	Technology and Data Analytic Workshops *NOTE* Leverages CSD vehicle		11/15/18	CONTR	No	New Award	N/A	[Unknown]					9
Data Analytics		National Science Fou	NSF Partner SMEs (Part-time) in support of DA-E efforts.		11/30/18	IAA	No	New Award	N/A	NATIONAL SCIENCE FOUNDATION					7
Data Analytics		-CARD: Tenable Nes	Tenable Nessus Manager is used to scan the Data Analytics enclave for any vulnerabilities		11/16/18	PCARD	No	New Award	N/A	TENABLE NETWORK SECURITY, INC					8
Data Analytics		American Association	IAA to DOE ORISE for AAAs fellow tenure within the DA-E program.		02/15/19	IAA	No	Existing	HSHQPM15X00174	DOE - Oak Ridge Institute of Science and Education (ORISE					4
Data Analytics		Information Systems	DA-E funding towards S&T CIO efforts which support DA-E data requirements and DHS network infrastructure needs of the DA-E Enclave		03/15/19	IAA	No	Existing	HSHQPM16X00170	US Army - Research Laboratory / Army Research Office(ARL					3
Data Analytics		Laboratory Systems	DHS FFRDC HSSEDI Task Order for SME support towards DA-E.		12/15/18	DO	No	Existing	70RSAT18FR0000017	MITRE Corp					1
Data Analytics		Systems Engineering	Option Year on DA-E support vehicle. *NOTE* Says "New Award", but thats just because if it's marked "Existing" the Vendor must be filled in and this award's vendor, Analytic Strategies, LLC, isn't in EPIC yet.		10/31/18	CONTR	No	New Award	70RSAT18FR0000025	[Unknown]					2

Project Title	Executable Amount	PR title	PR Description	PR Amount	Total Contract Value	PR Estimated Date	Contract Vehicle Type	Competitive	Contract status	Award Number	Vendor Name	Vendor City	Vendor State	Program Manager Name	Comments	Level 1 Priority Ranking
Social Media Research	(b)(4)	Social Media Analytics Methodology	Research and Development Partnership exploring the o	(b)(4)		05/30/19			New Award		TBD			(b)(6)		2
Social Media Research	(b)(4)	Social Media Tools	Purchase Orders to test for potential deployment	(b)(4)		11/30/18			New Award		TBD			(b)(6)		3
Social Media Research	(b)(4)	Cloud Based Speech Analytics for Law Enforcement	SBIR Phase III award in support of DA-E's social media	(b)(4)		12/15/18			New Award		TBD			(b)(6)		4
Social Media Research	(b)(4)	Human Language Analysis	IA w/ FBI and/or Services Contract in support of DA-E	(b)(4)		01/01/19			New Award		Federal Bureau of Investigation DBA FBI			(b)(6)		5
Social Media Research	(b)(4)	Social Media Experiments	DHS FFRDC HSSDI Task Order funding in support of	(b)(4)		01/31/19			Existing		MITRE Corp			(b)(6)		1

Project Title	Executable Amount	PR title	PR Description	PR Amount	Total Contract Value	PR Estimated Date	Contract Vehicle Type	Competitive	Contract status	Award Number	Vendor Name	Vendor City	Vendor State	Program Manager Name	Comments	Level 1 Priority Ranking
Predictive Analytics	(b)(4)	Cloud Infrastructure	Purchase orders for cloud bandwidth and storage in support of IAA to DoD CTTSO to leverage ARL CTTSO's accredited DOD secure network servers to provide the required functionality & environment for production testing	(b)(4)		10/31/18	PO	Yes	New Award	N/A	[Unknown]			(b)(6)		3
Predictive Analytics	(b)(4)	New Location Data System	Research and Development Partnership leveraging Industry & International Collaboration in support of Real-time Intelligence	(b)(4)		11/15/18	IAA	No	New Award	N/A	US Army - Research Laboratory / Army Research Office(ARL)			(b)(6)		2
Predictive Analytics	(b)(4)	Real Time Analytics	Research and Development Partnership leveraging Industry & International Collaboration in support of Machine Learning/Deep Learning	(b)(4)		01/30/19	IAA	No	New Award	N/A	NATIONAL SCIENCE FOUNDATION			(b)(6)		4
Predictive Analytics	(b)(4)	Machine Learning/Deep Learning	Research and Development Partnership exploring the Adaptation of Location Data for Urban Environments	(b)(4)		12/31/18	IAA	No	New Award	N/A	NATIONAL SCIENCE FOUNDATION			(b)(6)		5
Predictive Analytics	(b)(4)	Real-time Intelligence	Adaptation of Location Data for Urban Environments	(b)(4)		04/30/19	CONTR	Yes	New Award	N/A	TBD			(b)(6)		6
Predictive Analytics	(b)(4)	DA-E FFRDC Task Order	PO/FFRDC/Industry Collaboration in support of the Laboratory Systems Exercise	(b)(4)		02/28/19	DO	No	Existing	70RSAT18FR0000017	MITRE Corp			(b)(6)		1
Predictive Analytics	(b)(4)	Location Data Analytics	DHS FFRDC HSSEDI Task Order for SME support towards Key Word Search Development	(b)(4)		12/15/18	DO	No	Existing	70RSAT18FR0000017	MITRE Corp			(b)(6)		7
Predictive Analytics	(b)(4)	Laboratory Systems Exercise	Exercise Optional Task 1 that will work on key word search	(b)(4)		12/14/18	DO	No	Existing	70RSAT18FR0000017	MITRE Corp			(b)(6)		8
Predictive Analytics	(b)(4)	Key Word Search Development	Exercise Optional Task 1 that will work on key word search	(b)(4)		12/14/18	DO	No	Existing	70RSAT18C00000054	MOD9 TECHNOLOGIES			(b)(6)		9

Contract  
IAA  
FT  
Grant  
Other

New Award  
Existing

Oct-18  
Nov-18  
Dec-18  
Jan-19  
Feb-19  
Mar-19  
Apr-19  
May-19  
Jun-19  
Jul-19  
Aug-19  
Sep-19  
Oct-19



**From:** (b)(6)  
**To:** (b)(6)  
**Cc:**  
**Subject:** RE: Spend plans in EPIC and executing PRs  
**Date:** Thursday, December 20, 2018 9:22:59 AM  
**Attachments:** [DATC Spend Plan TCD.xlsx](#)

---

Good morning,

Attached is the updated file to reflect the changes in Epic.

Thank you,

(b)(6)  
Homeland Security Advanced Research Project Agency  
Science and Technology Directorate  
Department of Homeland Security  
(b)(6) Office  
(b)(6) Cell  
(b)(6)

**All foreign national meetings require approval 20 days in advance for unclassified visits and 30 days in advance of classified visits. Please coordinate with me in advance.**

---

**From:** (b)(6)  
**Sent:** Wednesday, December 19, 2018 5:03 PM  
**To:** (b)(6)  
(b)(6)  
**Cc:** (b)(6)  
(b)(6)  
**Subject:** RE: Spend plans in EPIC and executing PRs

Good afternoon (b)(6)

I hope your day is going well! I wanted to let you know that the DATC execution plans for the following lines have been updated in EPIC. I've attached the excel document to only reflect the priority ranking.

Data Analytics  
Predictive Analytics  
Social Media

Please let us know if you need any additional edits.

V/r,

(b)(6)  
Homeland Security Advanced Research Project Agency  
Science and Technology Directorate  
Department of Homeland Security  
(b)(6) Office

(b)(6) Cell

(b)(6)

**All foreign national meetings require approval 20 days in advance for unclassified visits and 30 days in advance of classified visits. Please coordinate with me in advance.**

---

**From:** (b)(6)

**Sent:** Wednesday, December 19, 2018 10:25 AM

**To:** (b)(6)

(b)(6)

**Cc:** (b)(6)

(b)(6)

**Subject:** RE: Spend plans in EPIC and executing PRs

All,

**A reminder – Due Today**

(b)(6) has kindly consolidated our spend plans based on what is currently in EPIC into one spreadsheet with tabs. The workbook consists of worksheet(s)/tab(s) that correspond to your TCD Budget Projects. Can each of you please look at your relevant tabs to update/make corrections, and get this back to (b)(6)? All of the fields are required per the Finance and Budget Division's guidance. Everyone's response will be consolidated into one document and a clean version will be provided to OSE leadership for review/analysis prior to submission in EPIC. OSE Front Office will help you get your data into EPIC using your response to this data call. If you've already uploaded to EPIC, please also let him know that.

R/

(b)(6)

Office: (b)(6)

Mobile

---

**From:** (b)(6)

**Sent:** Monday, December 17, 2018 1:03 PM

**To:** (b)(6)

(b)(6)

**Cc:** (b)(6)

**Subject:** FW: Spend plans in EPIC and executing PRs

**Importance:** High

All,

We now officially have the go ahead and direction to update our execution plans in EPIC. Also attached is the final budget from (b)(6) as I mentioned this morning.

The execution plans need to be updated in EPIC **by COB Dec 19 (this Wednesday)**. Please let me know how each of you would like to proceed with your updates – if your team will be updating or if you would like to have (b)(6) (or OSE budget support) update for you.

R/

(b)(6)

Office: (b)(6)

Mobile: (b)(6)

---

**From:** (b)(6)

**Sent:** Monday, December 17, 2018 12:56 PM

**To:** (b)(6)

(b)(6)

**Cc:** (b)(6)

(b)(6)

**Subject:** Spend plans in EPIC and executing PRs

**Importance:** High

Hi All,

The FY 2019 budget has been finalized and EPIC has been updated with the new numbers and funding pillar/division alignments. Please go into EPIC and update your Execution Plans (FY 2017,



FY 2018 and FY 2019) accordingly by COB, December 19, 2019. Please be sure to filter by your new Organizational Code. If you see anything which does not appear correct or if you have questions, please reach out to your Financial Officer.

Once all Execution Plans have been updated, Pillar Director please send me an email that you have reviewed and approved the spend plans in EPIC. Also please cc (b)(6) in the email. Once completed, the PR hold will be removed and pillars may execute their available funds.

Thank you,

(b)(6)

(b)(6)

Budget Director  
Budget and Performance Branch Chief  
Finance and Budget Division  
Science and Technology Directorate  
Department of Homeland Security  
Office: (b)(6)  
Work cell: (b)(6)

(b)(6)

Column	Column/Spend Plan Label	Definition
A	Project Title	Fixed (no change required)
B	Executable Amount (Includes SBIR Deduction)	Fixed (auto calculates balance based online ietm)
C	PR title	Title of Statement of Work
D	PR Description	very short description (at least 100 Characters - per CFO) describing what it is that FRG is procuring
E	PR Amount	Amount to be committed
F	Total Contract Value	Total anticipated contract value if a multiple year effort
G	PR Estimated Date	select month/year from drop down list (please be realistic and honest) we may be held accountable to this date.
H	Contract Vehicle Type	select from drop down list
I	Competitive	select from drop down list
J	Contract status	select from drop down list
K	Award Number	Enter contract number if this is a modification
L	Vendor Name	Who S&T is sending the money to
M	Vendor City	Identify city of performer's HQ
N	Vendor State	Identify city of performer's HQ
O	Program Manager Name	Name of COR
P	Comments	PM Discretion
Q	Priority of Effort (1 - X)	where does the PR rank on your PR list

Test:

Fiscal Year 2019  
 First Responders Group  
 Draft Budget  
 As of 16 August 2018

Division	Activity Title	FY 2019 Exexutable (EPIC )
TCD	ID Management	(b)(4)
TCD	Data Analytics	(b)(4)
TCD	Modeling and Simulation	(b)(4)
TCD	Situational Awareness and Decision Support	(b)(4)
TCD	BESSE	(b)(4)
TCD	Communications and Networking	(b)(4)
TCD	Biometrics Tech Engine	(b)(4)
TCD	Tech Center SETA	(b)(4)
TCD	Tech Center Travel	(b)(4)
TCD	Bio-Defense Knowledge Center	(b)(4)
TCD	Bio-Threat Characterization	(b)(4)
TCD	Homemade Explosives Characterization	(b)(4)
TCD	Actionable Indicators/Counter Measures	(b)(4)
TCD	GPS Vulnerabilty	(b)(4)
TCD	Social Media Research	(b)(4)
TCD	Digital Forensics	(b)(4)
TCD	Predictive Analytics	(b)(4)



Project Title	Executable Amount	PR title	PR Description	PR Amount	PR Estimated Date	Contract Vehicle Type	Competitive	Contract status	Award Number	Vendor Name	Vendor City	Vendor State	Program Manager Name	Comments	Level 1 Priority Ranking
Data Analytics	(b)(4)	Enclave Hardward + Software	Purchase orders for core hardware and software purchases (Venntel, Splunk, Rule15, McAfee, Mod9) for use in support of DHS operational partners.	(b)(4)	11/15/18	PO	Yes	New Award	N/A	[Unknown]			(b)(6)		6
Data Analytics	(b)(4)	DATC Cloud Computing Infrastructure	Purchase order for Google and/or AZURE Cloud Infrastructure in support of DA-E testing and operational projects, pilots.	(b)(4)	01/01/19	CONTR	Yes	New Award	N/A	[Unknown]			(b)(6)		5
Data Analytics	(b)(4)	Community of Practice Engagement, Workshops, Technical Training	Technology and Data Analytic Workshops *NOTE* Leverages CSD vehicle	(b)(4)	07/01/19	CONTR	No	New Award	N/A	[Unknown]			(b)(6)		9
Data Analytics	(b)(4)	National Science Foundation (NSF)/Partner Subject Matter Experts (Part-time)	NSF Partner SMEs (Part-time) in support of DA-E efforts.	(b)(4)	11/30/18	IAA	No	New Award	N/A	NATIONAL SCIENCE FOUNDATION			(b)(6)		7
Data Analytics	(b)(4)	P-CARD: Tenable Nessus Manager	Tenable Nessus Manager is used to scan the Data Analytics enclave for any vulnerabilities	(b)(4)	11/16/18	PCARD	No	New Award	N/A	TENABLE NETWORK SECURITY, INC			(b)(6)		8
Data Analytics	(b)(4)	American Association for the Advancement of Science (AAAS) Fellows	IAA to DOE ORISE for AAAs fellow tenure within the DA-E program.	(b)(4)	02/15/19	IAA	No	Existing	HSHQPM15X00174	DOE - Oak Ridge Institute of Science and Education (ORISE)			(b)(6)		4
Data Analytics	(b)(4)	Information Systems Security Officer (ISSO) Support	DATC funding towards S&T CIO efforts which support DATC data requirements and DHS network infrastructure needs of the DATC Enclave	(b)(4)	03/15/19	IAA	No	Existing	HSHQPM16X00170	US Army - Research Laboratory / Army Research Office(ARL)			(b)(6)		3
Data Analytics	(b)(4)	DATC Subject Matter Expertise for Social Media and Media Analytics	DHS FFRDC HSEDI Task Order for SME support towards DATC.	(b)(4)	12/15/18	DO	No	Existing	70RSAT18FR0000017	MITRE Corp			(b)(6)		1
Data Analytics	(b)(4)	Infrastructure Administration and Subject Matter Expert Support	Option Year on DA-E support vehicle. *NOTE* Says "New Award", but thats just because if it's marked "Existing" the Vendor must be filled in and this award's vendor, Analytic Strategies, LLC, isn't in EPIC yet.	(b)(4)	04/30/19	CONTR	No	Existing	70RSAT18FR0000025	Analytic Strategies, LLC			(b)(6)		2



Project Title	Executable Amount	PR title	PR Description	PR Amount	Total Contract Value	PR Estimated Date	Contract Vehicle Type	Competitive	Contract status	Award Number	Vendor Name	Vendor City	Vendor State	Program Manager Name	Comments	Level 1 Priority Ranking
Social Media Research	(b)(4)	Social Media Analytics Core Research and Methodology Development	Research and Development Partnership exploring the optimal methodology and application in the social media environment	(b)(4)		05/30/19			New Award		TBD			(b)(6)		2
Social Media Research	(b)(4)	Social Media Tools Assessment	Purchase Orders to support UAB's assessment of commercial social media analytics tools	(b)(4)		11/30/18			New Award		TBD			(b)(6)		3
Social Media Research	(b)(4)	Cloud Based Speech Analytics for Law Enforcement Applications	SBIR Phase III award in support of DA-E's social media research endeavors	(b)(4)		12/15/18			New Award		TBD			(b)(6)		4
Social Media Research	(b)(4)	Human Language Analysis	IA w/ FBI and/or Services Contract in support of DA-E social media speech and text recognition and analytical processing applications.	(b)(4)		08/01/19			New Award		Federal Bureau of Investigation DBA FBI			(b)(6)		5
Social Media Research	(b)(4)	Core Media Processing Experiments	DHS FFRDC HSSEDI Task Order funding in support of social media experiments	(b)(4)		11/01/18			Existing		MITRE Corp			(b)(6)		1

Project Title	Executable Amount	PR title	PR Description	PR Amount	Total Contract Value	PR Estimated Date	Contract Vehicle Type	Competitive	Contract status	Award Number	Vendor Name	Vendor City	Vendor State	Program Manager Name	Comments	Level 1 Priority Ranking
Predictive Analytics	(b)(4)	Cloud Infrastructure	Purchase orders and contract support for cloud based capabilities that enable the exploration of hybrid cloud storage, computation and information security.	(b)(4)		02/28/19	PO	Yes	New Award	N/A	[Unknown]			(b)(6)		3
Predictive Analytics	(b)(4)	New Location Data Sets for Border Security	IAA to DoD CTTSO to leverage ARL CTTSO's accredited DOD secure network servers to provide the required functionality & environment for production testing	(b)(4)		05/31/19	IAA	No	New Award	N/A	US Army - Research Laboratory / Army Research Office(ARL)			(b)(6)		2
Predictive Analytics	(b)(4)	Real Time Analytics Platforms	Research and Development Partnership leveraging National Science Foundation's Big Data Hubs Investments	(b)(4)		03/30/19	IAA	No	New Award	N/A	NATIONAL SCIENCE FOUNDATION			(b)(6)		4
Predictive Analytics	(b)(4)	Machine Learning/Deep Learning for Imagery	Industry & International Collaboration in support of predictive analytics methodologies in these environments.	(b)(4)		04/30/19	IAA	No	New Award	N/A	NATIONAL SCIENCE FOUNDATION			(b)(6)		5
Predictive Analytics	(b)(4)	Real-time Intelligence Secure Execution	Research and Development Partnership exploring the secure receipt, analysis, and reporting of real-time intelligence.	(b)(4)		06/30/19	CONTR	Yes	New Award	N/A	TBD			(b)(6)		6
Predictive Analytics	(b)(4)	DATC FFRDC Task Order SMEs	Adaptation of Location Data for Urban Environments	(b)(4)		02/28/19	DO	No	Existing	70RSAT18FR0000017	MITRE Corp			(b)(6)		1
Predictive Analytics	(b)(4)	Location Data Analytics for Border Security, Location Data Analytics for Border Security, Opioids, Counter-Transnational Crime	PO/FFRDC/Industry Collaboration in support of the President's opioid EO	(b)(4)		03/30/19	DO	No	Existing	70RSAT18FR0000017	MITRE Corp			(b)(6)		7
Predictive Analytics	(b)(4)	DATC Subject Matter Expertise	DHS FFRDC HSEDI Task Order for SME support towards DATC	(b)(4)		12/14/18	DO	No	Existing	70RSAT18FR0000017	MITRE Corp			(b)(6)		8
Predictive Analytics	(b)(4)	Key Word Spotting for Audio Streams Pilots	Exercise Optional Task 1 that will work on key word search deployment.	(b)(4)		12/14/18	DO	No	Existing	70RSAT18C00000054	MOD9 TECHNOLOGIES			(b)(6)		9

Contract  
IAA  
FT  
Grant  
Other

New Award  
Existing



Oct-18  
Nov-18  
Dec-18  
Jan-19  
Feb-19  
Mar-19  
Apr-19  
May-19  
Jun-19  
Jul-19  
Aug-19  
Sep-19  
Oct-19

**From:** (b)(6)  
**To:** (b)(6)  
**Subject:** MITRE DATC Weekly Report - 4 January 2019  
**Date:** Friday, January 4, 2019 1:07:33 PM

---

(b)(6) et al,

See below for our weekly updates this week.

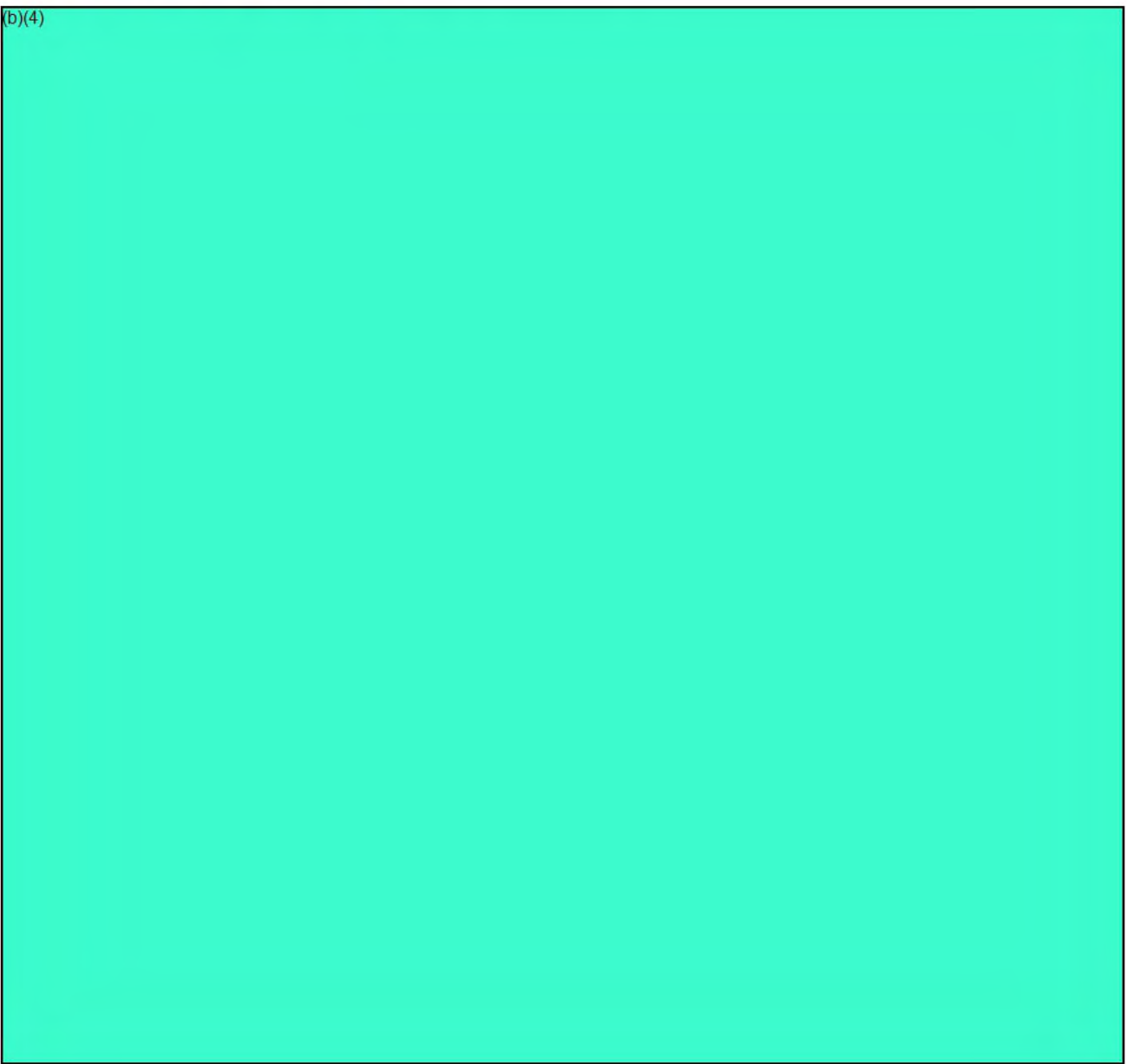
Thanks,

(b)(6)

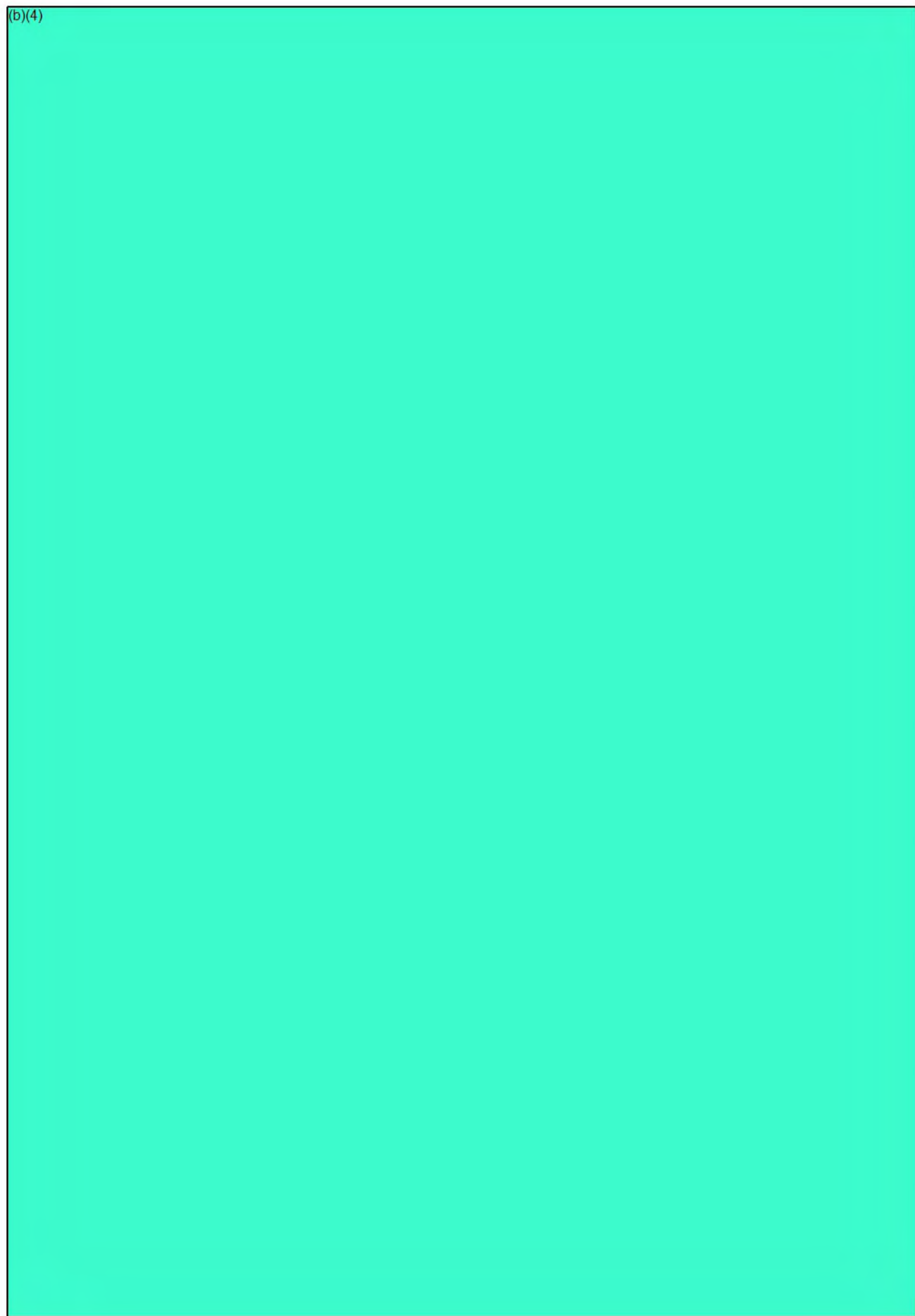
MITRE DHS S&T Data Analytics Technology Center (DATC) Weekly report  
4 January 2019

[DHS Component Engagements](#)

(b)(4)



(b)(4)



(b)(4)



**From:** (b)(6)  
**To:** (b)(6)  
**Subject:** RE: MITRE DATC Weekly Report - 4 January 2019  
**Date:** Friday, January 4, 2019 1:10:15 PM

---

Thank you Gabriella!

(b)(6)  
Homeland Security Advanced Research Project Agency  
Science and Technology Directorate  
Department of Homeland Security  
(b)(6) Office  
(b)(6) Cell  
(b)(6)

**All foreign national meetings require approval 20 days in advance for unclassified visits and 30 days in advance of classified visits. Please coordinate with me in advance.**

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**From:** (b)(6)  
**Sent:** Friday, January 4, 2019 1:07 PM  
**To:** (b)(6)  
(b)(6)

**Subject:** MITRE DATC Weekly Report - 4 January 2019

(b)(6) et al,

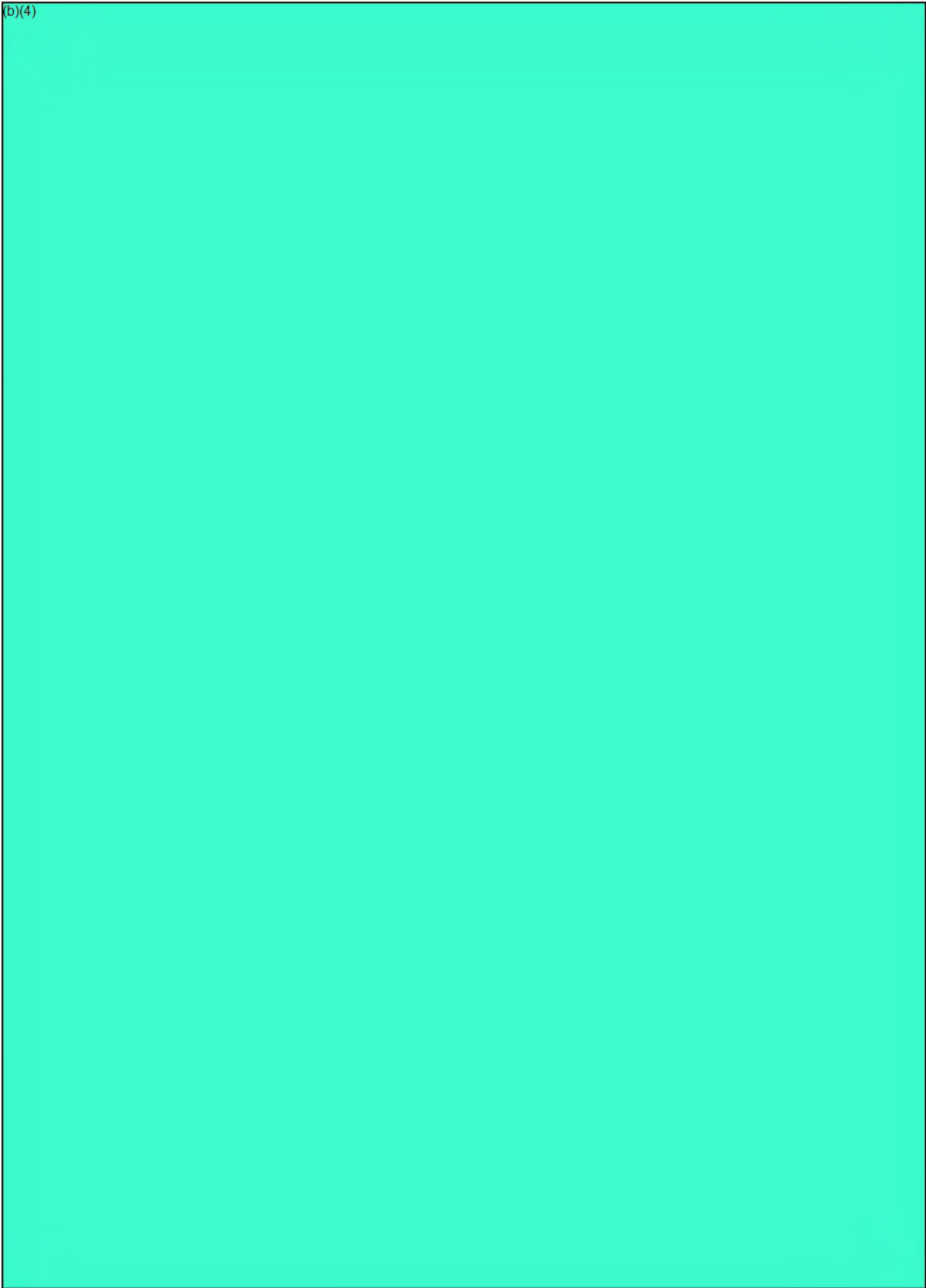
See below for our weekly updates this week.

Thanks,  
(b)(6)

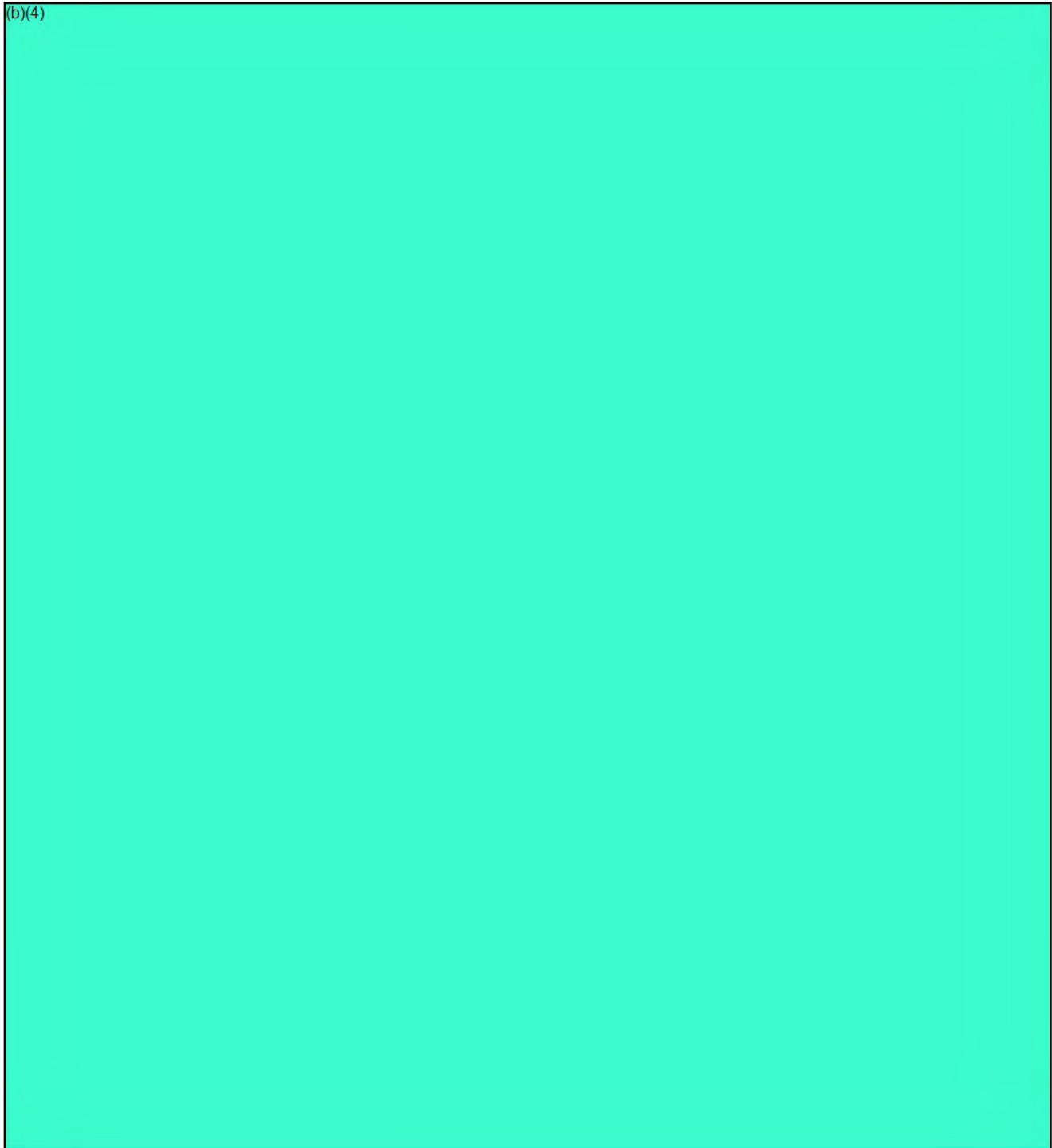
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**MITRE DHS S&T Data Analytics Technology Center (DATC) Weekly report  
4 January 2019**

(b)(4)

(b)(4)



(b)(4)





**From:** (b)(6)  
**To:**  
**Subject:** Venntel Happy Hour on Tuesday  
**Date:** Friday, January 25, 2019 10:46:10 AM

---

(b)(6)

Venntel is hosting a Happy Hour on Tuesday Jan 29th at Fado's (<https://fadoirishpub.com/washington/>) from 6:30 - 8:30. We would love to see you there if you can make it. This event is tied to the ESRI users conference being held at the convention center in DC.

Please let me know if you can make it.

(b)(6)

--  
(b)(6)

Venntel, Inc.

(b)(6)

**From:** (b)(6)  
**To:** (b)(6)  
**Subject:** RE: [EXT] Venntel Happy Hour on Tuesday  
**Date:** Friday, January 25, 2019 10:55:28 AM

---

Hi (b)(6) -

With the government furlough, (b)(6) is unable to reply back; however, (b)(6) and I will look at our schedules and see if we can make it and will let you know. Thanks for the invite!

Best,

(b)(6)

**From:** (b)(6)

**Sent:** Friday, January 25, 2019 10:45 AM

**To:** (b)(6)

(b)(6)

**Subject:** [EXT] Venntel Happy Hour on Tuesday

(b)(6)

Venntel is hosting a Happy Hour on Tuesday Jan 29th at Fado's (<https://fadoirishpub.com/washington/>) from 6:30 - 8:30. We would love to see you there if you can make it. This event is tied to the ESRI users conference being held at the convention center in DC.

Please let me know if you can make it.

(b)(6)

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(b)(6)

Venntel, Inc.

(b)(6)

Project Title	Executable Amount	PR Title	PR Description	PR Amount	Total Contract Value	PR Estimated Date	Contract Vehicle Type	Competitive	Contract status	Award Number	Vendor Name	Vendor City	Vendor State	Program Manager Name	Comments	Level 1 Priority Ranking			
Data Analytics	(b)(4)		Envelope Hardware # 1 Purchase order for myriad hardware and software pu	(b)(4)		11/15/18	PO	Yes	New Award	N/A	(Unknown)			(b)(6)					
Data Analytics			Cloud Infrastructure Purchase order for Google and/or Azure Cloud			10/31/18	CONTR	Yes	New Award	N/A	(Unknown)								
Data Analytics			Workshops, including Technology and Data Analytics Workshops			10/15/18	CONTR	No	New Award	N/A	(Unknown)								
Data Analytics			National Science Fdn NSF Partner SMI (Part time) in support of DA-E			11/26/18	IAA	No	New Award	N/A	NATIONAL SCIENCE FOUNDATION								
Data Analytics			P-CARD: Tenable Net Tenable Nessus Manager is used to scan the Data			11/16/18	PCARD	No	New Award	N/A	TENABLE NETWORK SECURITY, INC								
Data Analytics			American Association IAA to DOE OHSI for AAAs fellow tenure within the D			02/15/19	IAA	No	Existing	H5HCPM15000174	DOE - Oak Ridge Institute of Science and Education (ORIS								
Data Analytics			Information Systems DA-E funding towards S&C/OA efforts which support			09/17/19	IAA	No	Existing	H5HCPM15000170	US Army - Research Laboratory / Army Research Office (AR								
Data Analytics			Laboratory Systems I DHS FRDOC HSS/DT Task Order for S&C support toward			12/13/18	DO	No	Existing	70RSAT18FR000001	MITRE Corp								
Data Analytics			Systems Engineering Option Year on DA-E support vehicle.			10/31/18	CONTR	No	New Award	70RSAT18FR000001	(Unknown)								
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Project Title	Executable Amount	PR title	PR Description	PR Amount	Total Contract Value	PR Estimated Date	Contract Vehicle Type	Competitive	Contract status	Award Number	Vendor Name	Vendor City	Vendor State	Program Manager Name	Comments	Level 1 Priority Ranking
Modeling and Simulation	(b)(4)	Cost Modelling & Analysis	Subject Matter Expert	(b)(4)		12/21/18	IAA	No	New Award	N/A	GSA - FIDSM			(b)(6)		
Modeling and Simulation		M&S Development 5	Technical developmen			10/01/18	DO	No	Existing	HSHDC17000	Booz/Allen/Hamilton					
Modeling and Simulation		M&S SME Support	Continue existing M			10/01/18	DO	No	Existing	70RSAT18FR000	Mantech Security Technologies Corp					
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Project Title	Executable Amount	PR Title	PR Description	PR Amount	Total Contract Value	PR Estimated Date	Contract Vehicle Type	Competitive	Contract status	Award Number	Vendor Name	Vendor City	Vendor State	Program Manager Name	Comments	Level 1 Priority Ranking	
Communications and Network	(b)(4)	Resilient System for DHS SAT requires technical support		(b)(4)		11/01/18	IAA	No	New		NAVSEA			(b)(4)			
Communications and Network																	
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Bi-Threat Characterization	(b)(4)	Biological Experiment	This funding will fund an effort to further characterize	2,324,000		04/02/19	IAA	No	New		DoD - Defense Technical Information Center (DTIC)			2,324,000			
Bi-Threat Characterization																	
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Homemade Explosives Charact	(b)(4)	Explosive Detection	R&D activities related to conventional (commercial and military) and homemade explosive (HME) threats, precursors, surrogates, and X-ray characterization/signature data collection and analysis that is required in order to develop and mature security screening technology for the TSA. Support for the STAMM test for TSA and NPPD. This methodology provides a prioritization of explosive testing and detection characterization for DCOM's last point of departure. Update matrix to include current events and rankings to the TSA and NPPD.	(b)(4)	\$1,000,000	12/01/18	IAA	No	New Award	TBD	Lawrence Livermore	Livermore	California	(b)(6)	PR submitted on	1
Homemade Explosives Charact	(b)(4)	Detection Standards		(b)(4)	\$270,000	01/01/19	IAA	No	New Award	TBD	Los Alamos National	Los Alamos	New Mexico	(b)(6)	PR to be submit	1
Homemade Explosives Charact	(b)(4)															
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Actionable Indicators	(b)(4)	CAO Courts	address and provide actionable recommendations regarding	(b)(4)		11/15/18	CONTR	Yes	New Award		(Unknown)			(b)(6)					
Actionable Indicators		Law Enforcement/CE Training and curriculum development on crisis					12/15/18	CONTR	Yes	New Award		(Unknown)							
Actionable Indicators		Operational Expert	improve community security and enhance terrorism					09/15/19	CONTR	No	New Award		(Unknown)						
Actionable Indicators		Systematic Reviews, Campbell Collaboration Systematic Review #5						09/15/19	IAA	No	New Award		Department of Interior/Antiterrorism Business Center (DOI/ABC)						
Actionable Indicators		Risk Assessment V&I	Validation of risk assessment tools and metrics					09/15/19	IAA	No	New Award		DCK - Sandia National Laboratories (SNL)						
Actionable Indicators		Crisis Communication	Communication practices of LE and NOD for targeted					12/15/18	Grants	Yes	New Award		University of California Los Angeles						
Actionable Indicators		PRQ Strategic Plans	PRQ requires support for strategic planning and					09/15/19	(Unknown)	No	Pending		(Unknown)						
Actionable Indicators																			
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GPS Vulnerability and Assessment	b)(4)			6674													
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Social Media Research	(b)(4)	Social Media Analytics Methodology	Research and Development Partnership assisting the	(b)(4)		01/30/18			New Award		TBD			(b)(6)		
Social Media Research		Social Media Tools	Purchase Orders to use for potential deployment of			11/30/18			New Award		TBD					
Social Media Research		Cloud Based Speech Analytics for Law Enforcement	SOI Phase II award in support of DA 3 social media			11/15/18			New Award		TBD					
Social Media Research		Human Language Analysis	IA / FBI analysis Services Contract in support of DA 1			01/01/19			New Award		Federal Bureau of Investigation OIA FBI					
Social Media Research		Social Media Experiments	One inquest held to Task Order Awarding in support of			01/31/19			Existing		MFRS Corp					
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Predictive Analytics	(b)(4)	Cloud Infrastructure	Purchase orders for cloud bandwidth and storage in support of IAA to DoD ETTSD to leverage ARL ETTSD's accredited cloud security network servers to provide the required security for production testing.	(b)(4)		10/31/18	PO	Yes	New Award	N/A	[Unknown]			(b)(6)		
Predictive Analytics		New Location Data S	Real Time Analytics I			11/15/18	IAA	No	New Award	N/A	US Army - Research Laboratory / Army Research Office(LARL)					
Predictive Analytics		Machine Learning/D	Real-time Intelligence Research and Development Partnership exploring the DA-E FFRDC Task Ord Adaptation of Location Data for Urban Environments			01/30/19	IAA	No	New Award	N/A	NATIONAL SCIENCE FOUNDATION					
Predictive Analytics		Location Data Analyst	FG/FFRDC/Industry Collaboration in support of the Laboratory Systems Dns FFRDC MDTG Task Order for SAM support towards Key Word Search Dev			04/30/19	CONTR	Yes	New Award	N/A	TRE					
Predictive Analytics		Exercise Optional Task 1	that will work on key word			02/28/19	DO	No	Existing	70RSAT18FR000001	MITRE Corp					
Predictive Analytics						12/15/18	DO	No	Existing	70RSAT18FR000001	MITRE Corp					
Predictive Analytics						12/14/18	DO	No	Existing	70RSAT18FR000001	MITRE Corp					
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Digital Forensics	(b)(4)																
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**From:** (b)(6)  
**To:** (b)(6)  
**Cc:** (b)(6)  
**Subject:** FW: CR3 funds load  
**Date:** Monday, January 28, 2019 12:27:13 PM  
**Attachments:** [FY2019\\_OSE Spend Plan\\_TCD\\_012819.xlsx](#)  
**Importance:** High

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Good afternoon everyone –  
As expected, we did get a quick-turn call for our Tech Center budget needs through February 15. I'm attaching the spend plan that we'd created towards the end of December. Please take a look at the spreadsheet and get back to me with any updates (take a look at the "PR estimated date" to make sure that date still stands). In addition, if you have travel needs/estimates through the end of February, please also let me know what those are.

Suspense says "asap", so sometime today or tomorrow at the latest please.

Thank you again!

R/  
(b)(6)  
Office: (b)(6)  
Mobile: (b)(6)

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**From:** (b)(6)  
**Sent:** Monday, January 28, 2019 10:46 AM  
**To:** (b)(6)  
**Cc:** (b)(6)  
**Subject:** CR3 funds load  
**Importance:** High

Good morning and welcome back 😊

S&T is funded through February 15. Please provide me Tech Centers' CR3 budget needs ASAP. Please remember to include travel and training.

Thank you!

(b)(6)  
(b)(6)  
Finance and Budget Division  
Science and Technology Directorate  
Department of Homeland Security  
Office (b)(6)

Mobile: (b)(6)

(b)(6)

S&T Budget Sharepoint Site: (b)(6)

Column	Column/Spend Plan Label	Definition
A	Project Title	Fixed (no change required)
B	Executable Amount (Includes SBIR Deduction)	Fixed (auto calculates balance based online ietm)
C	PR title	Title of Statement of Work
D	PR Description	very short description (at least 100 Characters - per CFO) describing what it is that FRG is procuring
E	PR Amount	Amount to be committed
F	Total Contract Value	Total anticipated contract value if a multiple year effort
G	PR Estimated Date	select month/year from drop down list (please be realistic and honest) we may be held accountable to this date.
H	Contract Vehicle Type	select from drop down list
I	Competitive	select from drop down list
J	Contract status	select from drop down list
K	Award Number	Enter contract number if this is a modification
L	Vendor Name	Who S&T is sending the money to
M	Vendor City	Identify city of performer's HQ
N	Vendor State	Identify city of performer's HQ
O	Program Manager Name	Name of COR
P	Comments	PM Discretion
Q	Priority of Effort (1 - X)	where does the PR rank on your PR list

Test:

Fiscal Year 2019  
 First Responders Group  
 Draft Budget  
 As of 16 August 2018

<b>Division</b>	<b>Activity Title</b>	<b>FY 2019 Exexutable (EPIC )</b>
TCD	ID Management	\$1,193,000.00
TCD	Data Analytics	\$4,735,000.00
TCD	Modeling and Simulation	\$1,704,000.00
TCD	Situational Awareness and Decision Support	\$1,762,000.00
TCD	BESSE	\$1,363,000.00
TCD	Communications and Networking	\$5,845,000.00
TCD	Biometrics Tech Engine	\$370,000.00
TCD	Tech Center SETA	\$1,529,703.00
TCD	Tech Center Travel	\$75,000.00
TCD	Bio-Defense Knowledge Center	\$2,692,000.00
TCD	Bio-Threat Characterization	\$3,739,000.00
TCD	Homemade Explosives Characterization	\$3,278,000.00
TCD	Actionable Indicators/Counter Measures	\$1,114,000.00
TCD	GPS Vulnerabilty	\$2,185,000.00
TCD	Social Media Research	\$4,594,000.00
TCD	Digital Forensics	\$686,000.00
TCD	Predictive Analytics	\$4,543,000.00



Project Title	Executable Amount	PR title	PR Description	PR Amount	Total Contract Value	PR Estimated Date	Contract Vehicle Type	Competitive	Contract status	Award Number	Vendor Name	Vendor City	Vendor State	Program Manager Name	Comments	Level 1 Priority Ranking	
ID Management	(b)(4)	Blockchain and DHS is interested	Public/Private Lin Develop technol	(b)(4)		10/1/2018	Other	No	New		TBD			(b)(6)			
ID Management					10/1/2018	Contract	No	New		DIGITAL BAZAAA, INC.							
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Data Analytics	(b)(4)	Enclave Hardware #1	Purchase orders for myriad hardware and software purchases	(b)(4)		11/15/18	PO	Yes	New Award	N/A	(Unknown)			(b)(6)		
Data Analytics		Cloud Infrastructure	Purchase order for Google and/or Azure Cloud			10/31/18	CONTR	Yes	New Award	N/A	(Unknown)					
Data Analytics		Workshops, including Technology and Data Analytics Workshops				10/15/18	CONTR	No	New Award	N/A	(Unknown)					
Data Analytics		National Science Foundation Partner SMEs (Part time) in support of DA-E				11/20/18	IAA	No	New Award	N/A	NATIONAL SCIENCE FOUNDATION					
Data Analytics		P-CARD: Tenable Net	Tenable Nessus Manager is used to scan the Data			11/16/18	PCARD	No	New Award	N/A	TENABLE NETWORK SECURITY, INC					
Data Analytics		American Association IAA to DOE OIBSI	for AAs follow tenure within the DA			03/15/19	IAA	No	Existing	H5HCP4115000174	DOE - Oak Ridge Institute of Science and Education (ORIS)					
Data Analytics		Information Systems DA-E funding towards S&C/O efforts which support				09/12/19	IAA	No	Existing	H5HCP4115000170	US Army - Research Laboratory / Army Research Office(A)					
Data Analytics		Laboratory Systems I DHS FRDC	HSS/DOE Task Order for SME support towards			12/13/18	DO	No	Existing	70RSAT18FR000001	MITRE Corp					
Data Analytics		Systems Engineering Option Year on DA-E support vehicle				10/31/18	CONTR	No	New Award	70RSAT18FR000001	(Unknown)					
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Structural Awareness and O	(b)(4)	Mobile Adm Network (MAN)	SANDS Engin/PRI developed public alert and warning	(b)(4)		06/16/20			New Award										
Structural Awareness and O		Autonomous Platform (APT) Technology Transfer & Commercialization into HCS Enterprise	SANDS Engin/PRI developed DHS Campaign (DAP		05/20/20				New Award										
Structural Awareness and O		Identity of Things (IDIT)	SANDS Engin/PRI to develop, test and evaluate IoT		06/01/20					New Award									
Structural Awareness and O		Smart City IoT Innovation (SCIT)	SANDS Engin/PRI to develop, test and deploy		11/03/19					Testing	HHS002170003	CENTER FOR INNOVATIVE TECHNOLOG							
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Bio-Defense Knowledge Center	(b)(4)		Bio-defense knowled BKC is a center of expertise and information and about	(b)(4)		11/01/18	IAA	No	New		Lawrence Livermore			(b)(6)		
Bio-Defense Knowledge Center																
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Homemade Explosives Charaz	(b)(4)	Explosive Detection	R&D activities related to conventional (commercial and military) and homemade explosive (HME) threats, precursors, surrogates, and X-ray characterization/signature data collection and analysis that is required in order to develop and mature security screening technology for the TSA.	(b)(4)	\$1,000,000	12/01/18	IAA	No	New Award	TBD	Lawrence Livermore	Livermore	California	(b)(6)	PR submitted on	1
Homemade Explosives Charaz	(b)(4)	Detection Standards	Support for the SBAMA test for TSA and NPPD. This methodology provides a prioritization of explosive testing and detection characterization for DCOM's last point of departure. Update matrix to include current events and rankings to the TSA and NPPD.	(b)(4)	\$278,000	01/01/19	IAA	No	New Award	TBD	Los Alamos National	Los Alamos	New Mexico	(b)(6)	PR to be submit	1
Homemade Explosives Charaz	(b)(4)															
Homemade Explosives Charaz	(b)(4)															
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Project Title	Executable Amount	PR title	PR Description	PR Amount	Total Contract Value	PR Estimated Date	Contract Vehicle Type	Competitive	Contract status	Award Number	Vendor Name	Vendor City	Vendor State	Program Manager Name	Comments	Level 1 Priority Ranking			
Actionable Indicators	(b)(4)	CAO Courts	address and provide actionable recommendations regard	(b)(4)		11/15/18	CONTR	Yes	New Award		(Unknown)			(b)(6)					
Actionable Indicators		Law Enforcement/CI Training and curriculum development on crisis			12/15/18	CONTR	Yes	New Award		(Unknown)									
Actionable Indicators		Operational Expertim improve community security and enhance territorial			06/15/19	CONTR	No	New Award		(Unknown)									
Actionable Indicators		Systematic Reviews, Campbell Collaboration Systematic Review #5			04/15/19	IAA	No	New Award				Department of Interior/Interior Business Center (DOI/IBC)							
Actionable Indicators		Risk Assessment V&I Validation of risk assessment tools and metrics			03/15/19	IAA	No	New Award				DOI - Sandia National Laboratories (SNL)							
Actionable Indicators		Crisis Communication Communication practices of LE and NOD for targeted			12/15/18	Grants	Yes	New Award				University of California Los Angeles							
Actionable Indicators		RFD Strategic Plans: RFD requires support for strategic planning and			06/15/19	(Unknown)	No	Pending				(Unknown)							
Actionable Indicators																			
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Social Media Research	(b)(4)	Social Media Analysis Methodology	Research and Development Partnership exploring the	(b)(4)		07/30/18			New Award		TBD			(b)(6)				
Social Media Research		Social Media Tools	Purchase Citibank to use for potential deployment				11/30/18			New Award		TBD						
Social Media Research		Visual Based Speech Analytics for Law Enforcement	SDP Phase II award in support of DA's social media				12/15/18			New Award		TBD						
Social Media Research		Human Language Analysis	US of FBI vendor Services Contract in support of DA's				01/31/19			New Award		Federal Bureau of Investigation OIA PB						
Social Media Research		Social Media Experiments	One through 2019 Task Order Awarding in support of			03/31/19			Existing		MPRE Corp							
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Predictive Analytics	(b)(4)	Cloud Infrastructure	Purchase orders for cloud bandwidth and storage in use. IAA to DoD ETSO to leverage ARL ETSO's accredited DoD secure network servers to provide the required	(b)(4)		10/31/18	PO	Yes	New Award	N/A	[Unknown]			(b)(6)		
Predictive Analytics		New Location Data 5	functionality & environment for production testing			11/15/18	IAA	No	New Award	N/A	US Army - Research Laboratory / Army Research Office(A)					
Predictive Analytics		Real Time Analytics 1	Research and Development Partnership leveraging			01/30/19	IAA	No	New Award	N/A	NATIONAL SCIENCE FOUNDATI					
Predictive Analytics		Machine Learning/DI	Industry & International Collaboration in support of			12/31/18	IAA	No	New Award	N/A	NATIONAL SCIENCE FOUNDATI					
Predictive Analytics		Real-time Intelligence	Research and Development Partnership exploring the			04/30/19	CONTR	Yes	New Award	N/A	TBO					
Predictive Analytics		DA-E FFRDC Task Ord	Adaptation of Location Data for Urban Environments			02/28/19	DO	No	Existing	70RSAT18FR00001	MITRE Corp					
Predictive Analytics		Location Data Analyt	PG/FFRDC/Industry Collaboration in support of the			12/15/18	DO	No	Existing	70RSAT18FR00001	MITRE Corp					
Predictive Analytics		Laboratory Systems	DHS FFRDC HSPD-10 Task Order for S&E support towards			12/14/18	DO	No	Existing	70RSAT18FR00001	MITRE Corp					
Predictive Analytics		Key Word Search De	Exercise Optional Task 1 that will work on key word			12/14/18	DO	No	Existing	70RSAT18FR00001	MITRE Corp					
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**From:** (b)(6)  
**To:**  
**Subject:** FY2019\_OSE Spend Plan\_TCD\_012819.xlsx  
**Date:** Monday, January 28, 2019 2:01:00 PM  
**Attachments:** [FY2019\\_OSE Spend Plan\\_TCD\\_012819.xlsx](#)

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Column	Column/Spend Plan Label	Definition
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Test:

Fiscal Year 2019  
 First Responders Group  
 Draft Budget  
 As of 16 August 2018

Division	Activity Title	FY 2019 Exexutable (EPIC )
TCD	ID Management	(b)(4)
TCD	Data Analytics	
TCD	Modeling and Simulation	
TCD	Situational Awareness and Decision Support	
TCD	BESSE	
TCD	Communications and Networking	
TCD	Biometrics Tech Engine	
TCD	Tech Center SETA	
TCD	Tech Center Travel	
TCD	Bio-Defense Knowledge Center	
TCD	Bio-Threat Characterization	
TCD	Homemade Explosives Characterization	
TCD	Actionable Indicators/Counter Measures	
TCD	GPS Vulnerabilty	
TCD	Social Media Research	
TCD	Digital Forensics	
TCD	Predictive Analytics	









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Fiscal Year 2019  
 First Responders Group  
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 As of 16 August 2018

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TCD	BESSE	(b)(4)
TCD	Communications and Networking	(b)(4)
TCD	Biometrics Tech Engine	(b)(4)
TCD	Tech Center SETA	(b)(4)
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TCD	Actionable Indicators/Counter Measures	(b)(4)
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TCD	Social Media Research	(b)(4)
TCD	Digital Forensics	(b)(4)
TCD	Predictive Analytics	(b)(4)









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Other

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Sep-19  
Oct-19

**From:** (b)(6)  
**To:** (b)(6)  
**Cc:** (b)(6)  
**Subject:** RE: CR3 funds load  
**Date:** Tuesday, January 29, 2019 9:05:39 AM  
**Attachments:** [FY2019\\_DATC\\_Spend\\_Plan\\_TCD\\_012919.xlsx](#)

---

Good morning (b)(6)

Attached are DATC's updates to the spend plan. For easy reference, I've highlighted all rows where the PR date was updated.

(b)(6) may tentatively travel to Cincinnati, Ohio for the teams opioids activities. We are working with the chief of police to finalize a plan ahead.

If you need any additional information, please let us know.

V/r,

(b)(6)

Homeland Security Advanced Research Project Agency  
Science and Technology Directorate  
Department of Homeland Security

(b)(6) Office  
Cell

(b)(6)

**All foreign national meetings require approval 20 days in advance for unclassified visits and 30 days in advance of classified visits. Please coordinate with me in advance.**

---

**From:** (b)(6)

**Sent:** Monday, January 28, 2019 12:25 PM

**To:** (b)(6)

(b)(6)

(b)(6)

**Cc:** (b)(6)

(b)(6)

**Subject:** FW: CR3 funds load

**Importance:** High

Good afternoon everyone –

As expected, we did get a quick-turn call for our Tech Center budget needs through February 15. I'm attaching the spend plan that we'd created towards the end of December. Please take a look at the spreadsheet and get back to me with any updates (take a look at the "PR estimated date" to make sure that date still stands). In addition, if you have travel needs/estimates through the end of February, please also let me know what those are.

Suspense says "asap", so sometime today or tomorrow at the latest please.

Thank you again!

R/

(b)(6)

Office: (b)(6)  
Mobile: (b)(6)

---

**From:** (b)(6)  
**Sent:** Monday, January 28, 2019 10:46 AM  
**To:** (b)(6)  
**Cc:** (b)(6)  
**Subject:** CR3 funds load  
**Importance:** High

Good morning and welcome back ☺

S&T is funded through February 15. Please provide me Tech Centers' CR3 budget needs ASAP. Please remember to include travel and training.

Thank you!

(b)(6)

(b)(6)

Finance and Budget Division  
Science and Technology Directorate  
Department of Homeland Security

Office: (b)(6)  
Mobile: (b)(6)

(b)(6)

S&T Budget Sharepoint Site: (b)(6)

Column	Column/Spend Plan Label	Definition
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Test:



Fiscal Year 2019  
 First Responders Group  
 Draft Budget  
 As of 16 August 2018

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TCD	Homemade Explosives Characterization	(b)(4)
TCD	Actionable Indicators/Counter Measures	(b)(4)
TCD	GPS Vulnerabilty	(b)(4)
TCD	Social Media Research	(b)(4)
TCD	Digital Forensics	(b)(4)
TCD	Predictive Analytics	(b)(4)







Contract  
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Other

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 Draft Budget  
 As of 16 August 2018

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**From:** (b)(6)  
**To:** (b)(6)  
**Cc:** (b)(6)  
**Subject:** RE: Presentation materials  
**Date:** Friday, February 15, 2019 2:46:13 PM  
**Attachments:** [DATC Brief-ICE.pptx](#)  
[image001.png](#)  
[DA-TC Fact Sheet.pdf](#)

---

Good afternoon (b)(6)

Attached are the DA-TC's slides and fact sheet. If you all have any questions, please let us know.

POCs:

JEDI, ICE Contact: (b)(6)

(b)(6) I&A detailed to ICE: (b)(6)

- ICE Unit Chief - (b)(6)
- ICE, Supervisory Intelligence Research Specialist, (b)(6)
- ICE, Senior Intelligence Research Specialist, USICE

V/R,

(b)(6)

Science and Technology Directorate  
Department of Homeland Security

(b)(6) Office  
Cell

(b)(6)

**All foreign national meetings require approval 20 days in advance for unclassified visits and 30 days in advance of classified visits. Please coordinate with me in advance.**

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**From:** (b)(6)  
**Sent:** Friday, February 15, 2019 11:02 AM  
**To:** (b)(6)  
**Cc:** (b)(6)  
(b)(6)  
**Subject:** RE: Presentation materials

Ok, Thanks (b)(6) I am doing something for the FO this morning and will get to it this afternoon.

(b)(6)

Department of Homeland Security  
Science and Technology Directorate

(b)(6)

(b)(6)





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**From:** (b)(6)

**Sent:** Friday, February 15, 2019 11:01 AM

**To:** (b)(6)

**Cc:** (b)(6)

(b)(6)

**Subject:** Presentation materials

Good Morning (b)(6) —

I'm reaching out to you regarding the materials that are needed for the ICE meeting on Tuesday. The materials really need to be received sometime this afternoon, because we're finalizing the packages that are going to ICE. Tuesday morning will be too late and materials for your projects have to be included in the packages.

Please contact me if you have any concerns about making this delivery timeline, as the original request was for us to receive these materials by last Tuesday. Thank you.

-----  
(b)(6)

ICE/USCIS Portfolio Manager  
DHS Science & Technology

- o) (b)(6)
- c) (b)(6)

Page 130

Withheld pursuant to exemption

(b)(5) ; (b)(7)(E)

of the Freedom of Information and Privacy Act

Page 131

Withheld pursuant to exemption

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of the Freedom of Information and Privacy Act

Page 132

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of the Freedom of Information and Privacy Act

Page 133

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of the Freedom of Information and Privacy Act

Page 134

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(b)(5) ; (b)(7)(E)

of the Freedom of Information and Privacy Act

Page 135

Withheld pursuant to exemption

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of the Freedom of Information and Privacy Act





# DHS Science and Technology Directorate

## Data Analytics Technology Center – Transforming Data to Decisions

### Technology Engines Context

The Department of Homeland Security (DHS) Science and Technology Directorate (S&T) launched a series of high-profile, high-impact Apex programs to look strategically at the nation's security and address future challenges while supporting today's operational needs. S&T Engines were created to meet cross-cutting needs for all Apex programs.

### Impact and Vision

The Data Analytics Technology Center (DA-TC) applies leading-edge computational data analytics research and development (R&D) techniques to enable user-focused, data-driven solutions for DHS missions. DA-TC is the cross-cutting S&T resource for subject matter expertise and technical capabilities in data storage, security, computation, analysis, and visualization to the Homeland Security Enterprise (HSE), which includes DHS and its public and private sector partners.



Figure 1: DA-TC received a Data Impact Award from a panel of Silicon Valley CEOs for demonstrating advanced data analytic applications on a national scale to better understand fire incidents.

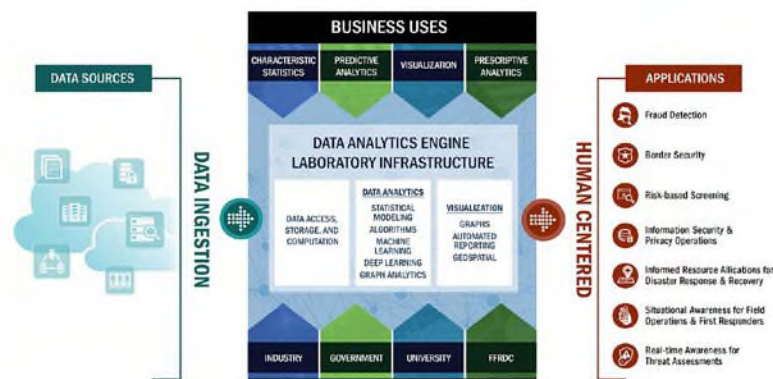
### Description & Approach

#### State-of-the-Art Data Analytics Laboratory

DA-TC maintains and operates a state-of-the-art data analytics laboratory to support mission-relevant evaluations of emerging technologies, rapid experimentation, and strategic R&D efforts. The lab infrastructure complies with privacy authorities and maintains security accreditation, allowing DA-TC to use operational data to help DHS identify enterprise data analytics architectures and solutions. With over two Petabytes of storage capacity, more than 100 servers

and multi-tenant users, the DA-TC lab serves as a centralized resource where end-users, technology experts, and other stakeholders can develop and test hypotheses and methods.

The DA-TC lab also identifies and supports transitioning computational data analytics technologies to operational use in the HSE. The lab ensures solutions minimally impact end users' existing architectures and work flows, with consideration to costs and scalability. Developing and integrating statistical analysis and knowledge products allows mission outcomes and efficiencies to be measured or traced.



### Key Activities

#### Assessments, Experimentation, and Strategy

DA-TC enables program success by conducting:

- (1) Emerging Technology Evaluations: DA-TC evaluates potential game-changing tools or technologies to determine added-value and the capability to meet DHS mission needs. Evaluations involve requirements identification, market analyses, industry surveys, and hands-on testing and analysis/evaluation of mission-relevant use cases in the DA-TC lab.
- (2) Rapid Experimentation: DA-TC conducts rapid experimentation to review data analytic technologies; provide preliminary results of data analysis on DHS operational data; and prototype solutions. The DA-TC lab performs statistical data analysis on ingested data; documents use cases and requirements; evaluates analytic tools and methods against real data; and investigates data enrichment opportunities.
- (3) Strategic R&D: DA-TC develops and maintains engagements with national, industry, and academic labs. These strategic partnerships enrich DA-TC's R&D with cutting edge research in areas such as al-



**Homeland Security**

Science and Technology

To learn more about the S&T Data Analytics Technology Center, contact [SandTBigData@hq.dhs.gov](mailto:SandTBigData@hq.dhs.gov)

DHS-001-10083-001476



# DHS Science and Technology Directorate

## Data Analytics Technology Center – Transforming Data to Decisions

gorithm evaluation for enhanced risk-based screening, improved fraud detection, information sharing, secure cloud computing, automated reporting, and autonomous systems.

The DA-TC mission extends beyond data analysis to examining human interfaces between the end-users and the technology and helping document and develop business cases for data-directed investments. DA-TC also cultivates and maintains relationships within S&T, the HSE, and partners to ensure successful transition of the best, cost-effective solutions.

### Key Successes

The following are examples of key successes and knowledge products resulting from DA-TC activities:

- Transitioned big data architecture and tools to Immigration and Customs Enforcement Homeland Security Investigations that has led to arrests, seizures, new leads, and situational awareness reports increasing counter-proliferation mission effectiveness for ICE offices world-wide. This effort supported United Nations Security Council Resolution 1540, which legally binds member states to have and enforce appropriate and effective measures against the proliferation of nuclear, chemical, and biological weapons.
- Transitioned private cloud digital info sharing capability to ICE/HSI/Cyber Crimes Center to improve response time to disrupt child exploitation, decreasing child endangerment.
- Transitioned text analytics tools to S&T Chemical Security Analysis Center to search Chemical and Biological documents to enable Chemical Security Analysis Center to keep up-to-date on emerging threats and capabilities.
- Transitioned Tessara, an open source data analysis tool, to Domestic Nuclear Detection Office for analyzing Rad/Nuc data
- Transitioned requirements gathering capability for Border Situational Apex (BSA) that has 150+ users.
- Received a Data Impact Award from a panel of high tech CEOs from Silicon Valley for Independent data

audit of the U.S. Fire Administration's (USFA) National Fire Incident Reporting System (NFIRS) that collects data from fire departments across the nation. The results of the audit now enable USFA to better understand incidents and equipment failures to protect firefighters. DHS joined Visa, Coupons.com, and others to receive this award recognizing the impacts in their respective organizations, businesses, and/or society at large.

- BSA APEX: Piloted capability for real-time interagency collaboration and situational awareness for DHS end users from various agencies across the DC area, Detroit, and Texas during the Presidential inauguration.
- Led the DHS Social Media Task Force in the completion of four social media pilots that led to improving methodology and commercial tools for DHS use of open source and social media and developed technical metrics and measures.
- Completed and now transitioning the ICE Export Enforcement Coordination Center (E2C2) case deconfliction prototype that worked across 33 agencies and eight Departments.

### Knowledge Product Examples:

- Entity Resolution Report
- Geo-locator Evaluation Report
- Social Media Analytics Capability Testing Report, Measures of Effectiveness and Measures of Performance Studies
- Apache Spark, SAP-HANA (High-Performance Analytic Appliance), and Teradata Aster Comparison
- Cloud Management Tools comparison
- Big Data Query Evaluation
- USCG Analysis & Production Mission Analysis
- Tenable Nessus Audit Script for Red Hat system compliance with DHS Sensitive System Configuration Guidance (SSCG)
- Conference Papers (e.g., Autonomy, Robotics, Real-time Analytics)



**From:** (b)(6)  
**To:**  
**Subject:** Fwd: Quote for Central America + Mexico  
**Date:** Thursday, March 14, 2019 1:42:39 PM  
**Attachments:** [Venntel Quote - Data Pricing - DHS S&T 031419.pdf](#)

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(b)(6)

Technology Centers  
DHS Science and Technology Directorate

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**From:** (b)(6)  
**Sent:** Thursday, March 14, 2019 1:06:16 PM  
**To:** (b)(6)  
**Subject:** Quote for Central America + Mexico

Hey (b)(6)

Attached is a quote for the Central America + Mexico data (the current subscription expires on 5/11/2019).

I'll have the other areas of interest quote sent to you shortly.

Please call me if you have any questions.

(b)(6)

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(b)(6)

Venntel, Inc.

(b)(6)

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of the Freedom of Information and Privacy Act

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**From:** [Google Calendar](#) on behalf of (b)(6)  
**To:** (b)(6)  
**Subject:** Accepted: Venntel CRADA Discussion @ Thu Mar 28, 2019 3pm - 4pm (EDT) (b)(6)  
**Start:** Thursday, March 28, 2019 3:00:00 PM  
**End:** Thursday, March 28, 2019 4:00:00 PM  
**Location:** 1120 Vermont Avenue, NW, Washington, DC  
**Attachments:** [invite.ics](#)

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(b)(6)  
has accepted this invitation.

Venntel CRADA Discussion

When  
Thu Mar 28, 2019 3pm – 4pm Eastern Time - New York  
Where  
1120 Vermont Avenue, NW, Washington, DC (map <<https://maps.google.com/maps?q=1120+Vermont+Avenue,+NW,+Washington,+DC&hl=en>> )  
Calendar

(b)(6)  
Who

•  
(b)(6)  
- organizer

•  
(b)(6)  
- creator

Directions:  
We are located at 1120 Vermont Avenue, NW, Washington, DC. A picture ID is required to enter this facility. Please sign in at the ground floor lobby and proceed to the 5th floor for badging. The receptionist will contact (b)(6) and she will escort you to the meeting space.

Metro:  
The closest metro station is McPherson Square (Orange/Blue Line). Take the Vermont Avenue/White House exit and head north on 15th street (next to the park), crossing over K Street and L Street.

Invitation from Google Calendar <<https://www.google.com/calendar/>>

You are receiving this courtesy email at the account [stephen.dennis@hq.dhs.gov](mailto:stephen.dennis@hq.dhs.gov) because you are an attendee of this event.

To stop receiving future updates for this event, decline this event. Alternatively you can sign up for a Google account at <https://www.google.com/calendar/> and control your notification settings for your entire calendar.

Forwarding this invitation could allow any recipient to modify your RSVP response. Learn More <<https://support.google.com/calendar/answer/37135#forwarding>> .



**Subject:**

**From:** (b)(6)  
**To:** (b)(6)  
**Cc:** (b)(6)  
**Subject:** Project Alexander PTA  
**Date:** Monday, April 15, 2019 2:34:28 PM  
**Attachments:** [PTA, ST- Project Alexander, 20190415 to DATC.docx](#)

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Good afternoon (b)(6)

We submitted a draft PTA for Project Alexander to DHS HQ Privacy in mid-to-late August of 2018. The PTA got lost/stuck there for several months before it was finally returned to us with some questions. (b)(6) indicated a few weeks ago that this project is still generally active, so I wanted to get this ball rolling again. I've already taken a stab at responding to most of the questions based on my understanding of the project, but obviously you all will be able to fill in the rest.

If this is indeed an active project, it might also be helpful to set aside a little time sometime to explain the ins and outs to (b)(6) and me. This pre-dates her entirely, and (b)(6) never gave me much of background on it before he left.

Let me know if you have any questions.

Thanks ,

(b)(6)

(b)(6)

Support Contractor

Privacy Analyst, Privacy Office | Science and Technology Directorate | Department of Homeland Security

(b)(6)

Office | (b)(6) Cell | (b)(6)

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